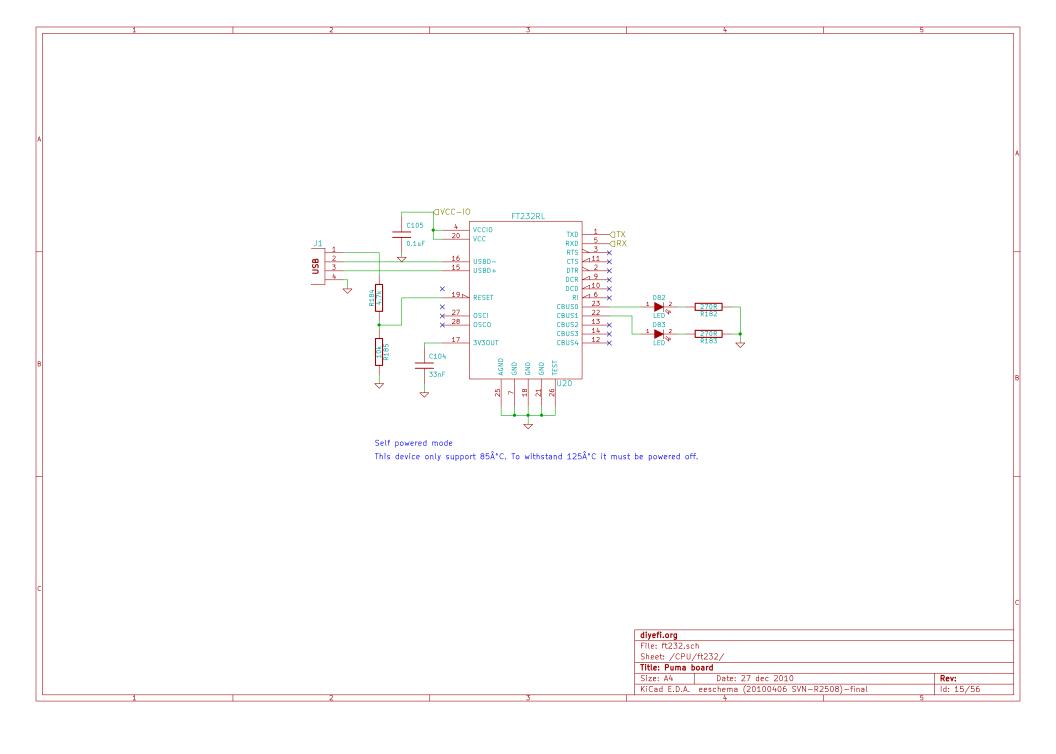
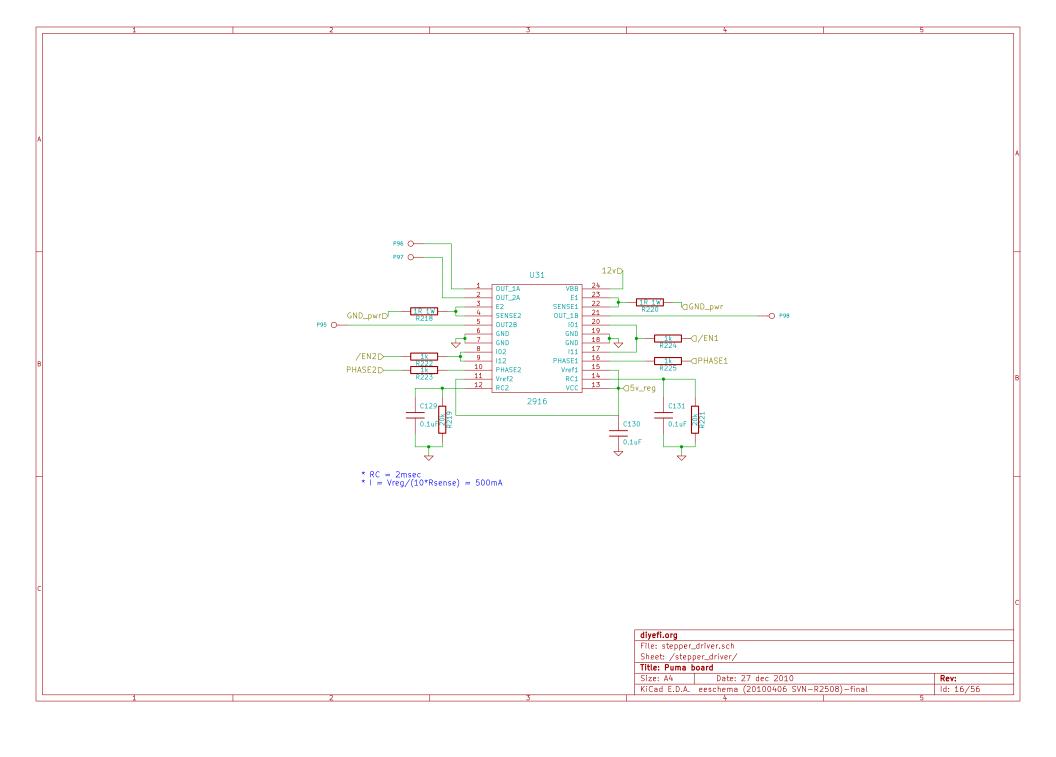
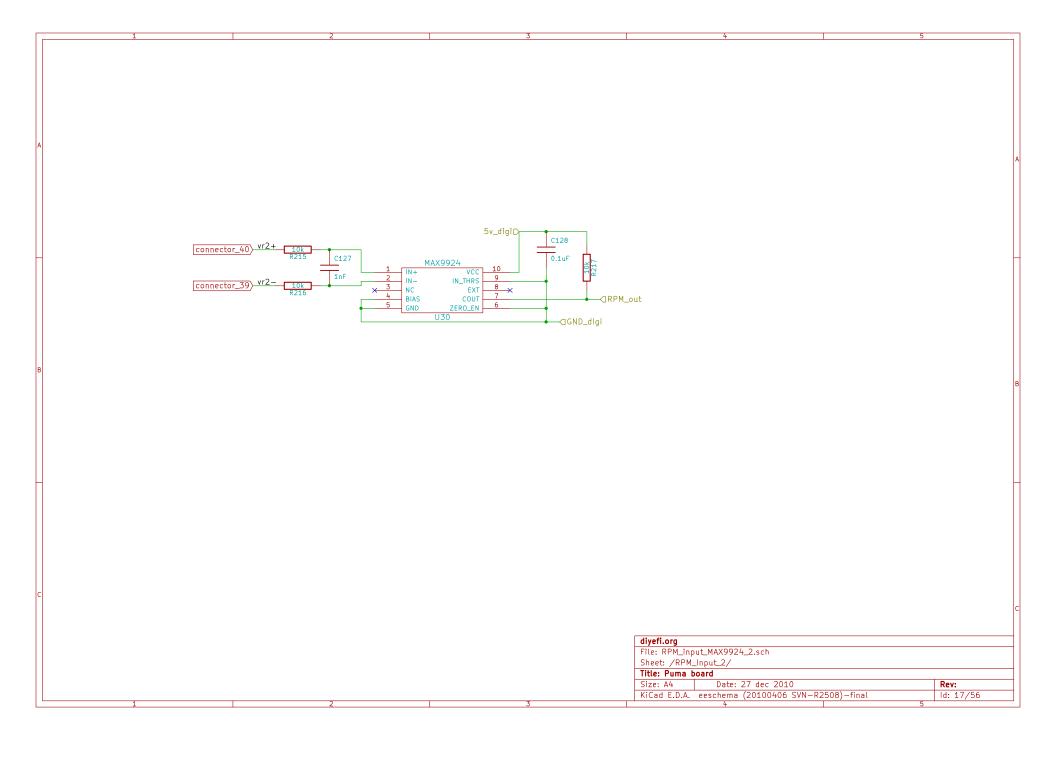
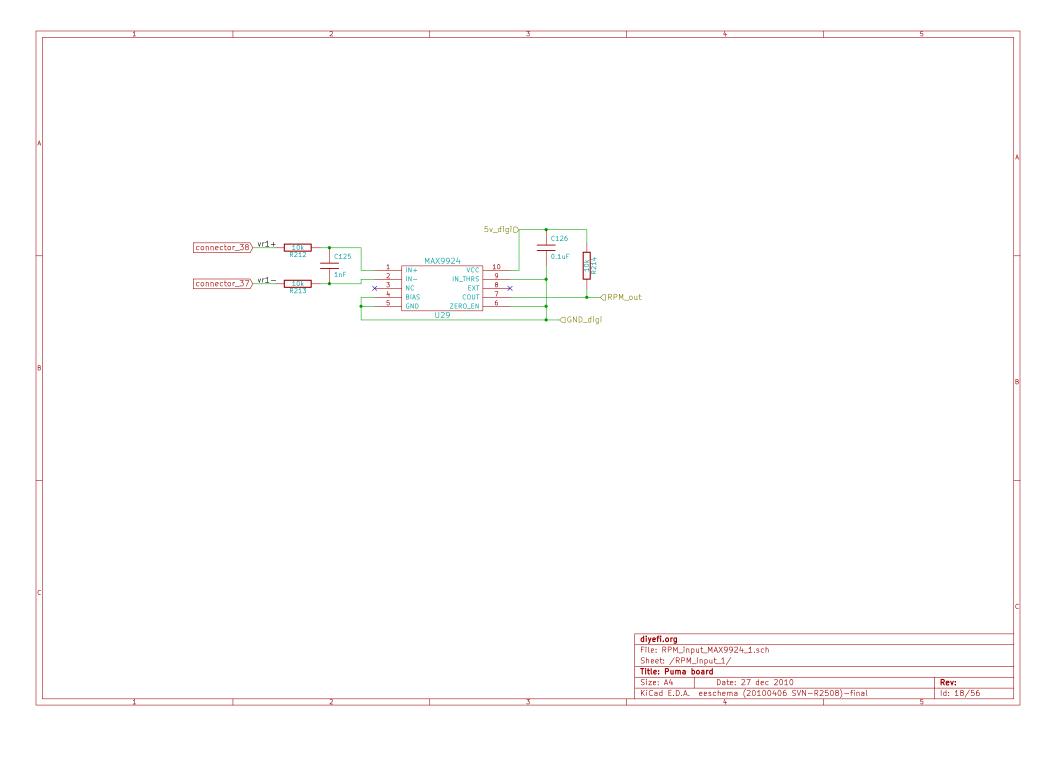


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Title: Puma I	oard		
Size: A3	Date: 27 dec 2010	Rev: A.08	
KiCad E.D.A.	eeschema (20100406 SVN-R2508)-final	ld: 14/56	



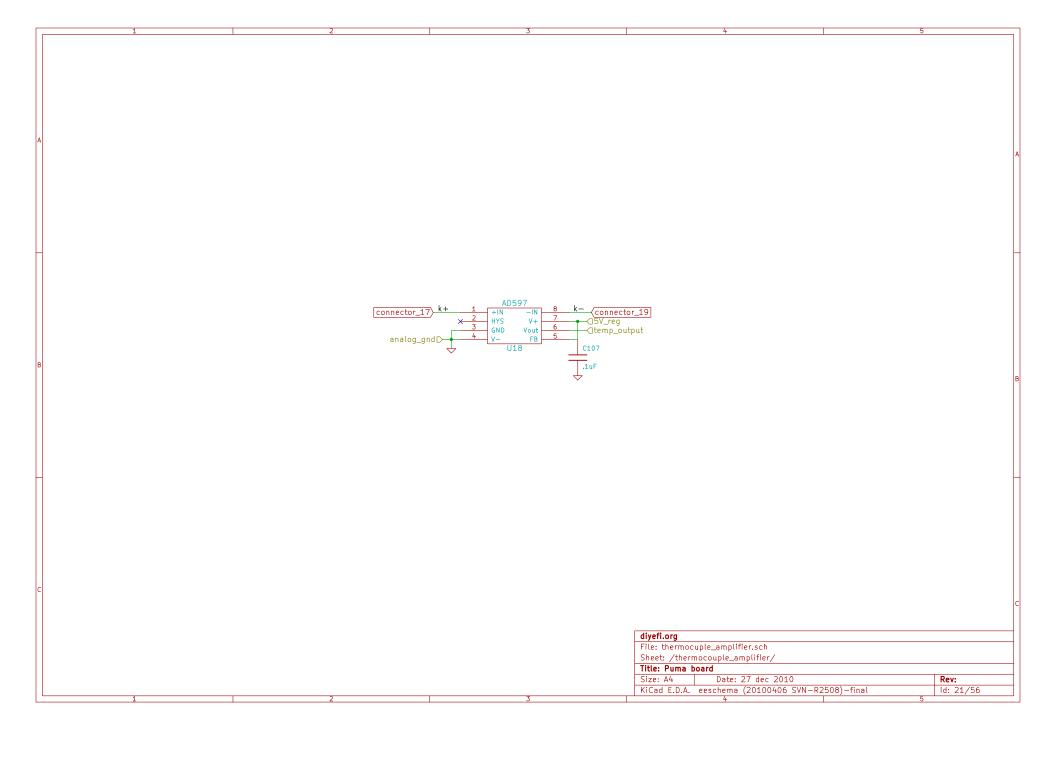


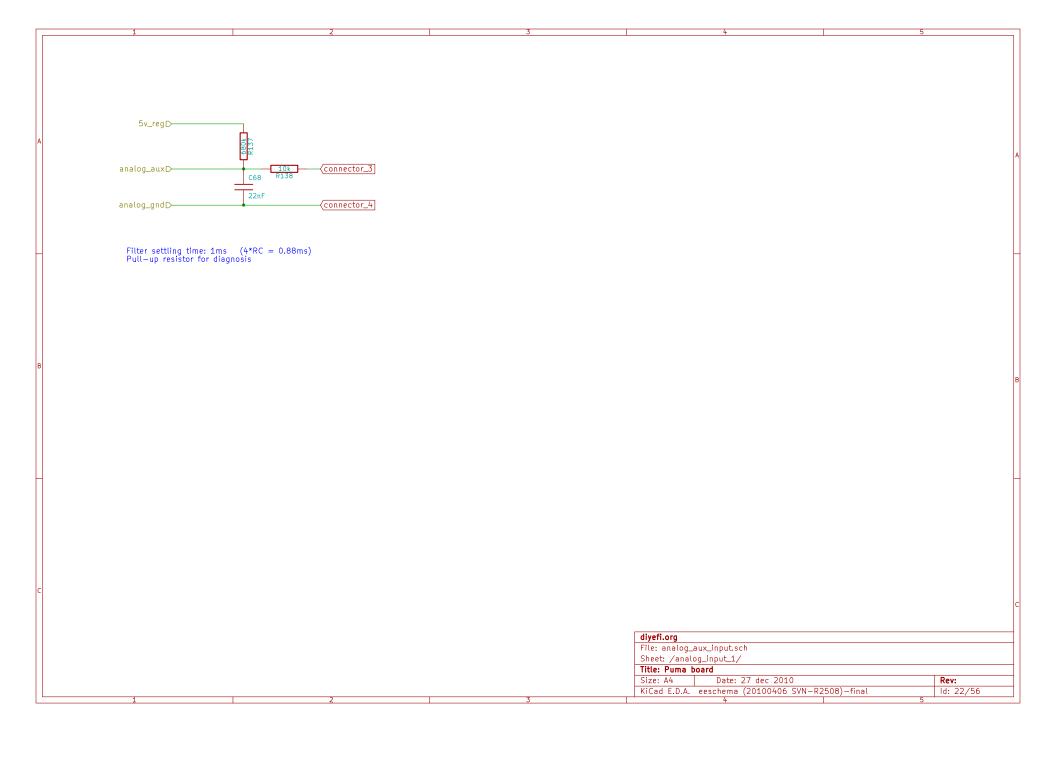


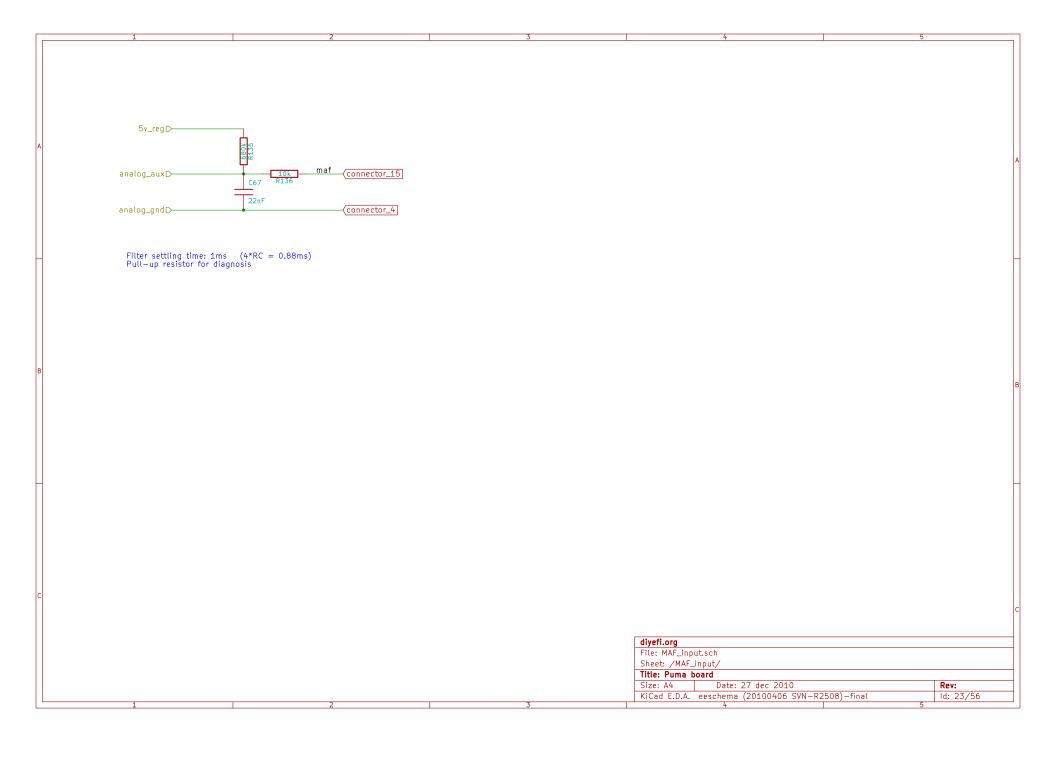


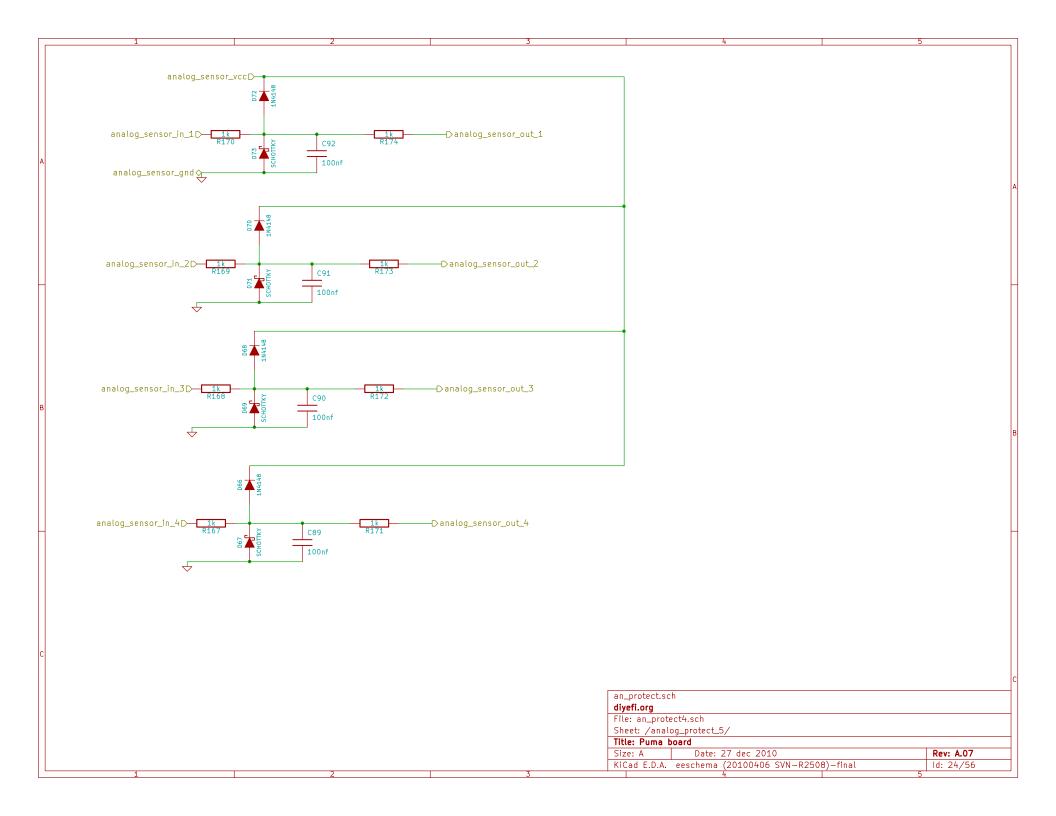
# PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT U28 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_8/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 19/56

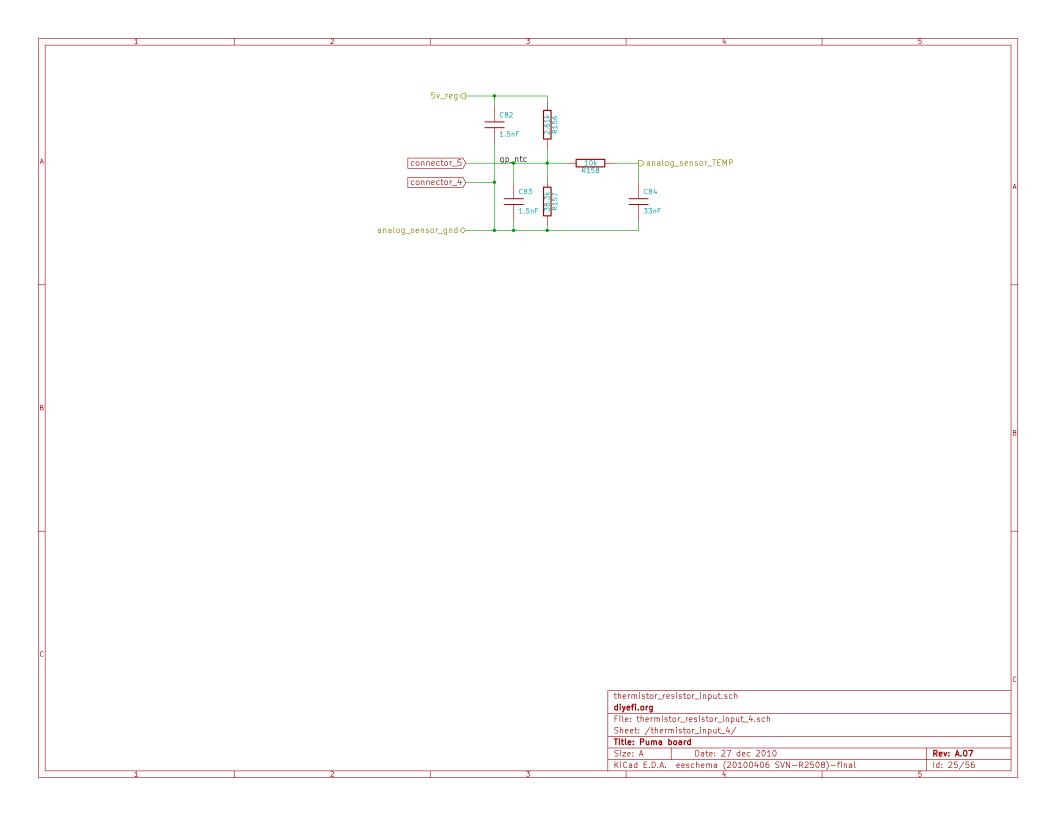
#### PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT C121 U27 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_7/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 20/56

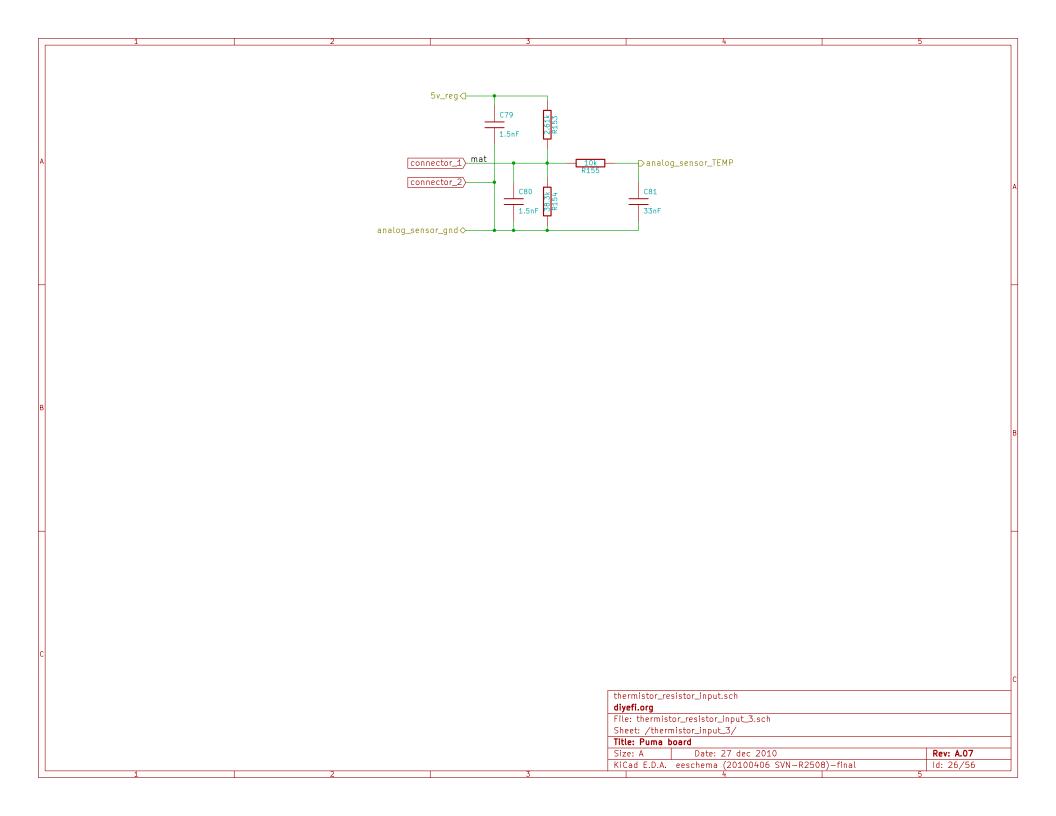












#### PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT C119 U26 D110 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_1/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 27/56

# PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT U25 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_2/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 28/56

# PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT U24 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_3/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 29/56

# PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT U23 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_4/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 30/56

#### PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT C111 U22 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_5/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 31/56

# PEAK & HOLD INJECTOR DRIVER inductive\_power\_drive >injector\_outputD INJECTOR OUTPUT U21 TIMER SUPPLY OUT COMP SUPPLY\_GND SENSE\_IN SENSE\_GND LM1949 inductive\_power\_gnd ↔ TIMER CIRCUIT. 1 TAU IS THE MAX PEAK TIME. 5v\_regD— $3.9k \times 1uF = 3.9msec$ - Rsense MUST BE KELVIN CONNECTED TO THE DEVICE PINS injector\_drive.sch diyefi.org File: injector\_drive.sch Sheet: /injector\_drive\_6/ Title: Puma board Size: A4 Date: 27 dec 2010 Rev: A.07 KiCad E.D.A. eeschema (20100406 SVN-R2508)-final ld: 32/56

